GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

STARRED QUESTION NO:302
ANSWERED ON:05.08.2002
PRODUCTIVITY PER HECTARE
RATTAN LAL KATARIA

Will the Minister of AGRICULTURE be pleased to state:

(a) the yield per hectare of major crops such as wheat, rice, maize, pulses, etc. in yhe country in comparison to other parts of the world;

(b) the reason for low productivity; and

(c) the measures taken to increase the same?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

(a) to (c) A statement is laid on the table of the House.

(a) The yield per hectare of wheat, paddy, maize, pulses, groundnut, soyabean, soyabean, rapeseed & sugarcane in India and some selected countries of the world is given in Annexure-I.

(b): The productivity varies a great deal from region to region and country to country because it depends on a number of factors such as condition of soils, facilities of irrigations, duration of the crop (gestation period between sowing and harvesting), quality of seeds, timely application of quality inputs, managerial skills of farmers and availability of credit etc. In India, there is a long-term upward trend in productivity of crops mentioned in part (a). The productivity of crops in India vis-Ã - vis other countries of the world is higher in respect of certain crops while it is lower for certain other crops as can be seen from the Annexure-I.

(c): In order to improve the production and productivity of agricultural commodities in the country, the Government have launched various initiatives such as promotion of watershed development programmes, emphasis on developing and promoting new technologies, measures for increasing availability of agricultural credit, Market Information Network and National Agriculture Insurance Scheme etc. Besides, the Government also encourage farmers to increase production through price policy which includes implementation of Minimum Support Price, procurement by public agencies. Apart from these, the Government have also switched over from the conventional schematic approach to macro-management mode from November, 2000 for providing assistance to the States. The Macro-Management Scheme integrates 27 schemes into one for supplementing and complementing the efforts of State Governments through work plans. This gives flexibility to States to address their respective specific problems faced by them depending on local requirements, avoid overlapping in the contents of different schemes and aim at all- round development of agriculture.

Annexure referred to in reply to Lok Sabha Starred Question No. 302 due for reply on 05.08.2002

Yield Rates of Some Major Crops in Selected Countries - 1997 to1999

(kg/hectare)

	Wheat			Paddy			Maize		
Continent/Country	1997	1998	1999	1997	1998	1999	1997	1998	1999
I World	2690	2628	2711	3815	3811	3845	4119	4418	4313
II Africa	1799	1863	1765	2174	2078	2244	1600	1560	1579
i Egypt	5599	5990	6347	8415	8646	8879	7130	7226	7056

ii Nigeria 2640 2000 2000 1596 1602 1657 1275 1320 1359
iii.South Africa1757 2390 2174 2308 2308 2231 2519 2161 2209
III North Cen.America 2538 2729 2821 5509 5376 5542 6553 6869 6925
i Canada 2128 2236 2591 6870 8061 7974
ii Mexico 4735 4208 4809 4136 4511 4816 2384 2343 2536
iii U S A 2655 2903 2872 6610 6354 6622 7952 8438 8398
IV South America 2417 2201 2379 3282 3230 3680 2857 3360 3067
i Argentina 2631 2316 2500 5370 4841 5609 4556 6077 5254
ii Brazil 1621 1568 1945 2601 2523 3092 2553 2781 2768
iii Chile 4017 4385 3534 3634 3909 4151 8242 9401 8515
V Asia 2617 2525 2651 3896 3895 3903 3394 3997 3743
i China 4102 3685 3969 6311 6353 6321 4390 5269 4880
ii India + 2485 2590 2778 2850 2882 2979 1711 1797 1792
iii Pakistan 2053 2238 2162 2805 2893 2875 1440 1467 1364
VI Europe 3204 3059 3127 5152 5456 5578 5802 5068 5518
i France 6624 7603 7235 5893 5825 5948 9059 8451 8866
ii Germany 7268 7204 7543 8627 8156 8358
iii U K 7377 7565 8051
VII Australia 1842 1880 1828 7650 9507 10071 5940 6316 5500

+ Refers to agriculture year (i.e. July - June) 1997-98, 1998-99, 1999-2000
Source : FAO Production Yearbook, 1999 (except for India)

(kg/hectare)

Pulses Groundnut Soyabean

Continent/ Country 1997 1998 1999 1997 1998 1999 1997 1998 1999

I World 822 827 839 1310 1445 1336 2154 2266 2148
II Africa 479 520 494 846 836 888 918 1021 1001
i Egypt 3018 3060 2255 2933 3035 3055 2622 2621 2637
ii Nigeria 527 537 535 1124 973 1050 665 736 736
iii S.Africa 1074 952 1162 1662 1838 1719 1379 1607 1440
III North Cen.America 1245 1221 1369 2492 2664 2686 2611 2619 2460
i Canada 1805 1930 2183 2584 2794 2769
ii Mexico 738 652 719 1452 1403 1404 1506 1598 1616
iii U S A 1938 1822 1989 2807 3028 3039 2617 2617 2452
IV South America 670 729 740 1382 2106 1676 2124 2468 2373
i Argentina 1133 1190 1194 1347 2333 1815 1720 2694 2397
ii Brazil 611 648 680 1598 1900 1788 2298 2366 2375
iii Chile 1125 1547 1039
V Asia 743 744 784 1558 1752 1552 1452 1476 1361
i China 1429 1793 1882 2592 2938 2799 1765 1828 1671
ii India + 567 634 635 1040 1214 766 1079 1100 1138
iii Pakistan 591 692 654 1042 1067 1067 1294 1235 1235
VI Europe 2164 2034 1988 1179 1104 1104 2114 1897 1955
i France 4960 5238 5361 2745 2540 2663
ii Germany 3180 3314 3511 2000 2190 2601
iii U K 3801 3484 3883
VII Australia 1019 1072 1115 1560 1560 1560 1897 1688 2271

+ Refers to agriculture year (i.e. July - June) 1997-98, 1998-99, 1999-2000
Source : FAO Production Yearbook, 1999 (except for India)

(kg/hectare)

Continent/Country Rapeseed @ Sugarcane Cotton

1997 1998 1999 1997 1998 1999 1997 1998 1999

I World 1492 1383 1543 64430 64171 65690 561 535 550
II Africa 1076 1084 1088 60779 61376 60579 375 343 373
i Egypt 112249 117200 119048 947 695 897
ii Nigeria 29524 29348 29348 213 115 163
iii South Africa 71140 71350 68322 301 378 463
III North Cen. America 1321 1424 1573 54435 56844 57394 763 717 691
i Canada 1313 1408 1581
ii Mexico 1135 1000 1000 73556 77540 73342 1005 1008 1041
iii U S A 1468 1622 1463 77729 80237 80787 754 701 682
IV South America 1994 2048 1863 69997 68385 69855 405 426 543
i Argentina 1000 1000 1000 65073 58527 70545 338 360 347
ii Brazil 1200 1200 1000 69097 68176 68579 441 491 737
iii Chile 2700 2571 2241
V Asia 1220 950 1128 63160 62585 65221 533 522 521
i China 1474 1272 1405 74921 73447 85294 1025 1009 1021
ii India + 668 870 960 71134 71203 70935 208 224 225
iii Pakistan 807 859 858 43544 50279 50279 528 510 510
VI Europe 2766 2754 2723 62470 67200 67200 918 919 939
i France 3537 3261 3264
ii Germany 3136 3364 3507
iii U K 3228 2957 3076
VII Australia 1227 1387 1216 98877 95255 88969 1608 1480 1274

@ Rapseed & Mustard in case of India.
+ Refers to agriculture year (i.e. July - June) 1997-98, 1998-99, 1999-2000

Source : FAO Production Yearbook, 1999 (except for India)